

## **Bridge Program Function and Performance Measures**

The goal of the Bridge Program is to preserve the structural integrity of all bridges that the Department of Transportation and Engineering (DOTE) maintains so that they are safe. DOTE established the following performance measures to track progress towards accomplishing this objective.

1. Bridge Program personnel will annually inspect all bridges on, over, or under public streets within the City of Cincinnati (excluding bridges inspected by ODOT) and submit this annual bridge condition report, in compliance with the Ohio Revised Code, Section 723.54.

*During the 2009 bridge inspection cycle, DOTE bridge inspection personnel inspected all 226 bridges requiring inspection. The results of those inspections are in the report which is available in the Clerk of Council's Office.*

2. Bridge Program personnel will develop, request funding, program, and manage bridge maintenance, repair, and replacement work so as to maintain a Weighted Average Bridge Rating of 6 or better for bridges maintained by the Department of Transportation and Engineering. A bridge General Appraisal rating of 6 represents a "Satisfactory" condition.

*Based on the 2009 bridge inspection cycle, the Weighted Average Bridge Rating is 7.11 for City (DOTE) Bridges and 6.19 for County Bridges.*

3. Bridge Program personnel will work so that no less than 95% of City (DOTE) bridges are open with no load restrictions. This indicates that the bridge is at least in "fair" condition, meaning that all primary structural elements are sound.

*Based on the 2009 bridge inspection cycle, 98% or 61 out of 62 City (DOTE) bridges are open with no load restrictions.*

## **Bridge Conditions**

The individual bridge ratings for all 62 City (DOTE) bridges and all 26 County bridges are shown in tabular fashion elsewhere on this site. A summary of the bridge ratings for all 226 inspected bridges is shown in tabular form elsewhere. The Weighted Average Bridge Rating for both City (DOTE) bridges and County bridges from 1987 to 2009 is shown in graphical form as well.

As indicated on the graph, the condition of both City (DOTE) bridges and County bridges has shown general improvement over the last twenty years. The current weighted average bridge rating for City (DOTE) bridges is 7.11. This is the seventeenth consecutive year that the Weighted Average Bridge Rating for City (DOTE) bridges was

greater than 6. The current Weighted Average Bridge Rating for County bridges within the city limits is 6.19.

### **Change in Average Bridge Conditions Over the Past Year**

The slight decrease in the Weighted Average Bridge Rating for City (DOTE) Bridges that occurred this year (from 7.21 in 2008 to 7.11 in 2009) was the cumulative result of the following four changes:

- 1) The condition rating of the Burns Street Ramp over Railroad with a rating of 8 (very good condition) was included in the ratings this year for the first time.
- 2) The Main Street Bridge over Parking Garage rating was reduced from 9 (As-built Condition) to 8 (very good condition).
- 3) The Second Street Connector from Clay Wade Bailey (Ramp D) rating was reduced from 9 (As-built Condition) to 8 (very good condition).
- 4) The Vine Street Bridge over Parking Garage (Rosa Parks) rating was reduced from 9 (As-built Condition) to 8 (very good condition).

The decrease in the Weighted Average Bridge Rating for County Bridges that occurred this year (from 6.29 in 2008 to 6.19 in 2009) was the result of the following change:

- 1) The condition rating of the Hopple Street Viaduct was decreased from a rating of 7 (Good Condition) to a rating of 6 (Satisfactory condition).